

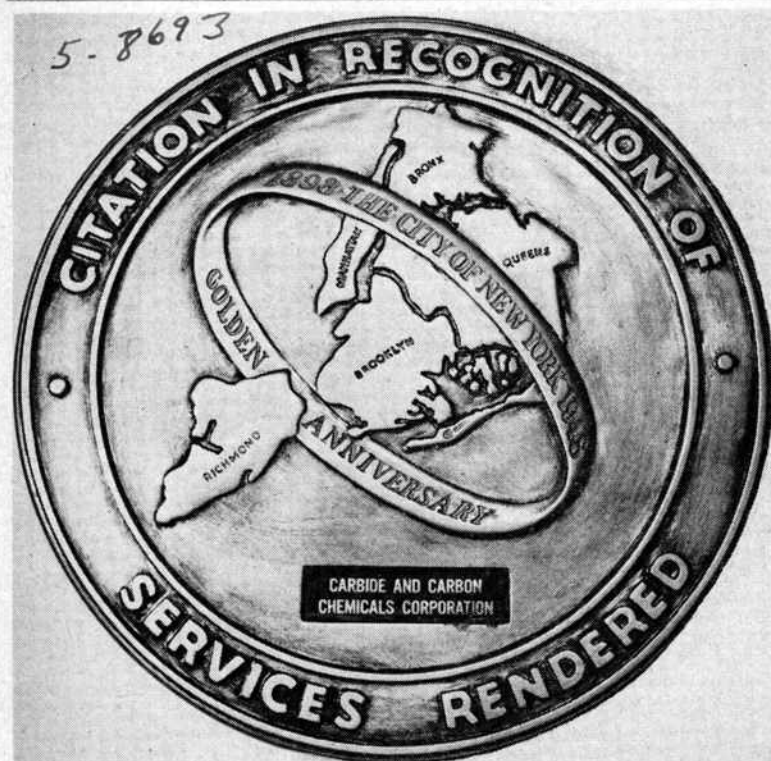
Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12

Volume 3, No. 1

OAK RIDGE, TENNESSEE

Tuesday, January 11, 1949



FOR ITS PARTICIPATION AND EXCELLENT EXHIBITS in the "Man And The Atom" show at the Golden Anniversary of New York City, Carbide and Carbon Chemicals Corporation received the plaque pictured above for presentation to its three Oak Ridge installations.

Carbide Given Plaque For Ridge Plants' Exhibit In New York Show

In recognition of the participation of the three Oak Ridge installations of Carbide and Carbon Chemicals Corporation in the "Man And The Atom" show staged by the Atomic Energy Commission in New York last summer, the Company has been awarded a handsome plaque by the mayor's committee for the commemoration of the Golden Anniversary of the City of New York. Y-12 joined with K-25 and the Oak Ridge National Laboratory in exhibits of atomic energy work being done in Oak Ridge with analogies showing the processes used in electromagnetic and gaseous diffusion separation methods while the Oak Ridge National Laboratory display showed use of radioisotopes.

Grover Whalen, of the mayor's committee, presided at the plaque presentation ceremonies in New York on December 21, 1948. George Moynahan, of the General Publicity Department of Union Carbide and Carbon Corporation, accepted the award "on behalf of the Oak Ridge men who had worked on this enterprise and helped in the design, construction and operation of the exhibit."

Leo Hemphill, Dept. A13W, had charge of developing and constructing the Y-12 exhibit in the Oak Ridge display at the New York show, which was held from August 23 to September 19 at the Grand Central Palace. Other Y-12 employees assisted Hemphill in arranging the exhibit and attended the New York show where they aided in explaining the Carbide display to more than 1,000,000 persons who attended the AEC function. Among them were G. M. Linder, Dept. A13W, John Harding, Dept. H12L and C. D. Susano, Dept. H12D. Joe C. Connor, of K-25, coordinated the exhibits of the three Oak Ridge plants.

Following the staging of the "Man And The Atom" show in New York, the AEC moved the show to Oak Ridge where it was seen by more than 50,000 persons from October 23 through October 30. At that time the Carbide exhibit was one of the most interesting in the show and drew constant crowds.

Hemphill also directed installation of the entire Carbide display at the Oak Ridge show.

W-2 Tax Forms Out Friday; Aid In Returns Set

With the announcement that weekly salary and hourly roll employees will receive the W-2 Withholding Tax statement covering earnings and income tax deductions for 1948 with pay checks to be distributed this Friday, January 14, attention of all Y-12 employees is called to the fact that federal income tax laws have changed from last year. No longer may a taxpayer file an income tax return on the W-2 forms alone, as a 1040 or 1040-A form must be used this year in addition to the W-2 form.

For employees earning less than \$5,000 during 1948, the Form 1040-A must be filled out with name of dependents, if any, and exemptions sought. The W-2 form then is attached and the collector of the Bureau of Internal Revenue computes the tax. If earnings are more than \$5,000 the taxpayer will file the return on Form 1040, computing his own tax, and also attaching the W-2 form showing the earnings and taxes paid.

Hamrick Offers Assistance

Pat Hamrick, of the Employment Department, again will be glad to aid employees in need of assistance in filing income tax returns. He will be in his office, Room 10, Bldg. 9701-1, North Portal, from 8 a.m. to 4:30 p.m., Mondays through Fridays, to offer this assistance.

It is stressed that this service necessarily will be limited to advice on more simple tax problems and that complex matters involving technical or legal questions should be submitted to income tax authorities for a decision.

Not Responsible for Controversies
It also is pointed out that the Company cannot be responsible for the outcome of advice on matters that prove controversial.

Federal law requires that persons subject to income taxes on 1948 earnings must file their returns before midnight, March 15.

Monthly salaried employees already have received their W-2 forms by mail, giving their earnings and tax deductions for the past year.

MAJOR CATASTROPHE

If by some disaster, every pound of chemical made at the South Charleston, W. Va., plant of Carbide and Carbon Chemicals Corporation were withdrawn from the world, planes would fall, automobiles and trucks would stop and naval ships would no longer ply the seas.

Tomorrow Is Deadline For Jaycee Nominations

Nominations for the Junior Chamber of Commerce's "Man of the Year" award are pouring in, according to Homer Hunter of the Oak Ridge Jaycees. The deadline for nominations is January 12.

The nominations must be submitted in writing and signed by the nominators and sent to the Jaycee awards chairman. Proper forms may be obtained from Hunter at phone 8889.

The presentation of the award will be made at the Jaycees "Man of the Year" banquet on January 29 at Oak Terrace.

Any resident of Oak Ridge may submit nominations for the "Man of the Year" honor. However, the nominee must be between 21 and 35 years old.

Coming Of New Year Brings Renewed Need Of Tight Observance Of Security To Preserve Nation's Safety

The Congress of the United States in passing the Atomic Energy Act of 1946 created legislation for the control of atomic energy, appropriated enormous sums of money to carry out research projects relating to peacetime uses of the new power. It also prescribed what information concerning the subject might be released for the benefit of mankind and also specifically designated other information concerning military use of atomic energy as "restricted data" that shall not be disclosed to unauthorized persons.

With the New Year now at hand and the world still in a state of unrest it becomes even more necessary that every Y-12 employee observe closely the security regula-

tions of the plant and guard against disclosing information concerning the destructive potentialities of atomic energy to persons not authorized to have such information. The Y-12 Security Office points out that any lapse in observing these regulations is a threat to the safety of the country as well as that of the individual.

Shortly after World War II the United States government with Great Britain, France, Canada and other allied nations proposed a policy by which all nations could reap the benefits of the peaceful use of atomic energy. This proposal was vetoed by a small minority of countries. It was not enough to these nations that the peacetime

Camera Club Sets Contest, Program Talk

A busy session is ahead for the Carbide Camera Club at its meeting set for 7:30 o'clock tonight in club headquarters in the Y-12 East Portal. The program includes a black and white print contest, a discussion on a program for the coming year and a talk on color pictures and slides.

New officers of the club will be installed tonight. They include Harry Bainbridge, Dept. B12H, of Y-12, president; Nat Stetson, Dept. H12E, vice president; and Frank Neill, Dept. H12E, secretary. Foster F. Calloway, also of Y-12, is the retiring president.

Entries in the black and white print contest will be on the subject of holiday topics. A number of excellent pictures have been received for exhibition.

Bainbridge has urged all members and prospective members of the club to attend the meeting tonight to offer opinions on the program to be presented during the coming year. Last year the club arranged monthly contests, usually alternating between black and white print exhibitions and showing of color slides with lectures on photographic topics being given at each session.

The color picture and slide talk tonight will include tips on how to make such pictures. The talk is prepared by the Eastman Kodak Co. and will be accompanied by color slides.

Refining, Employment Have Best Attendance

The absentee average for the Y-12 plant as a whole for 1948 was 2.6 per cent, according to figures compiled by The Y-12 Bulletin from weekly absentee reports printed in each issue.

Excellent Records Are Posted

Refining Department and Employment Department led their respective leagues in attendance for 1948. Employment led the Minor League with 31 weeks of perfect attendance and Refining topped the Major League records with nine weeks of being in first place, seven weeks in second place and 10 weeks as third place holders.

Dept. A14N, Electrical Equipment Repair and Maintenance, held the second best record in the Major League race with eight first places, seven second places and four third places.

Dept. A13S, Tools, nearly tied Dept. A12L for first place and ended (Continued On Page 4)

Group Insurance Pays Out \$79,802 In 1948 Benefits

A total of \$79,802.18 was paid out in sickness and accident and death benefits during 1948 to Y-12 employees carrying Carbide group insurance. This represented 686 claims filed during the year, including seven death claims.

During last year Y-12 employees received \$50,374.98 in accident and sickness claims under the Carbide group insurance plan. The largest amount of money paid out was distributed in December when \$5,400.55 was paid to the 49 claimants. However, the largest number of claims filed in any one month during the year was last January with 75, with November close behind with 73 claims being handled.

On the other hand during last May only 39 claims were submitted and but \$3,144.79 paid out in sickness and accident benefits.

No Occupational Deaths Listed

Seven death claims were paid out during 1948, under the group insurance plan, totaling \$29,140. They were scattered throughout the year with one each in January, March, April, May and September and two in December. Thanks to the Y-12 safety record, none of these deaths was from occupational causes.

In addition to the sickness and accident benefits paid out to employees carrying the Carbide group insurance, the Company disbursed approximately \$80,000 during the year in wages to Y-12 employees who were unable to work because of non-occupational sickness. All employees participated in these benefits.

Any Y-12 employee desiring information on the Carbide insurance plan may obtain full details at the Y-12 Insurance Office, located in the Dispensary building. The Insurance Office points out that claims may be expedited by claimants acting promptly in submitting the claims, accompanied by properly filled out statements by physicians.

Y-12 Research Seminar

Resumes Sessions Wednesday

The Y-12 Seminar on Research Techniques will resume sessions Wednesday afternoon, January 12, with C. D. Susano, Dept. H12D, in charge of the discussion. He will continue lectures on Nomographs, which were started last year.

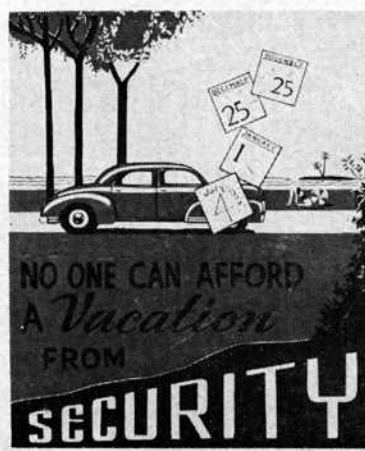
The meeting will be held at the usual time and place, 3 p.m. to 4:20 p.m., in the west end of the Y-12 cafeteria. All technical and scientific personnel in Y-12 are urged to attend the meeting.

A new schedule for the seminar sessions will be announced in the near future. Among the subjects to be offered during 1949 will be engineering drawing and patent laws.

Hoover Seeks Y-12 Members For ACS

W. D. Hoover, Dept. H12D, has been appointed membership chairman for Y-12 for the East Tennessee Section of the American Chemical Society. The appointment was made by Dr. Harvey Bernhardt, of K-25, chairman-elect of the section.

Hoover has invited all Y-12 chemists or other employees in related fields to join the organization. For complete information regarding enrollment he can be reached at telephone 7206 or at home, telephone 5-5470.



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Additions To Y-12 Technical Library

SOCIAL SCIENCES

HF 5547-W983—Wylie, Harry L. and Brecht, Robert P., "Office Organization and Management." N. Y., Prentice Hall, 1947.

PE 1478-C952—Crouch, W. G. and Zetler, R. L., "A Guide to Technical Writing." N. Y., Ronold Press, 1948.

PE 1591-F786—Fowler, H. W., "A Dictionary of Modern English Usage" Oxford, Clarendon Press, 1947.

Q 180-S851—Stewart, Irvin, "Organizing Scientific Research for War." Boston, Little, Brown and Co., 1948.

MATHEMATICS

QA H792—Hopf, L., "Introduction To The Differential Equations of Physics" Translated by W. Nef, N. Y., Dover Publishing Co., 1948.

QA 564-H688—Hodge, W. V. D., and Pedoe, D., "Methods of Algebraic Geometry" Cambridge, The University Press, 1947.

QA 845-N535—Newbould, H. O., "Analytical Method in Dynamics" Oxford, Clarendon Press, 1946.

PHYSICS

QC 173-L316—Lapp, R. E. and Andrews, G. L., "Nuclear Radiation Physics" N. Y., Prentice Hall, 1948.

QC 223-C858—Courant, R. and Friedrichs, K. O., "Supersonic Flow and Shock Waves" N. Y., Interscience, 1948.

CHEMISTRY

QD 3-A512—American Chemical Society, "Abstracts of Papers of the 114th Meeting ACS" Washington, D. C., ACS, 1948.

QD 181.C6-Y76—Young, Roland S., "Cobalt" N. Y., Reinhold, 1948.

QD 921-W977—Wyckoff, Ralph, W. G., "Crystal Structures" N. Y., Interscience, 1948.

TECHNOLOGY

TJ 1165-B263—Barnwell, George Winchester, "The New Encyclopedia of Machine Shop Practice;" a guide to the principles and practice of machine shop procedure. N. Y., W. H. Wise and Co., 1941.

TK 6553-M843—Moreno, Theodore, "Microwave Transmission Design Data" first edition, N. Y., McGraw-Hill, 1948.

TN 690-B662—Boas, W., "An Introduction to the Physics of Metals and Alloys" N. Y., Wiley, 1947.

TS 250-A512—American Institute of Mining and Metallurgical Engineering, "Nonferrous Rolling Practice" N. Y., AIMME, 1948.

TS 300-A512—American Iron and Steel Institute, "Yearbook of American Iron and Steel Institute, 1948." N. Y., 1948.



McMURRAY-CRAWFORD

Mr. and Mrs. John McMurray, of Jefferson City, Tenn., announce the engagement of their daughter, Miss Mary Ruth McMurray, a Y-12 employee in Dept. B12L, to Thomas Crawford, son of Mr. and Mrs. Hugh D. Crawford, also of Jefferson City.

The date and place of the wedding will be announced later.

Cock Robin flew away leaving Mrs. Robin to care for the two beautiful blue eggs in the nest. Upon his return he found a beautiful white egg had been added. "Look here honey, how about this white egg?" Mrs. Robin: "Oh, think nothing of it, I only did it for a lark."



EMPLOYEES IN FOUR DIFFERENT Y-12 DEPARTMENTS pose above to show how carelessness and improper work methods can cause accidents. At top left Mildred Crass, Dept. M12P, shows how heads can be bumped when upper filing cabinet drawers are left open while work is being done on lower drawers. The upper right hand picture shows Charles O. Poland, Dept. A12S, in potential danger of an accident in receiving a bundle of glass rods at a storeroom as they are being thrust at him in a manner that might cause trouble. At lower left T. C. Brooks and J. E. Holbert, Dept. A20N, are courting danger in improper use of wrenches on a job of pipe-fitting. What if that upper wrench should slip onto the face of the workman below? In the lower right picture O. H. Cunningham, Dept. A16N, is demonstrating how a hand can be injured when carelessly using a milling machine. These pictures on a Y-12 calender will be displayed throughout the plant on new Carbide calenders this month.



Two New Year babies were born to Y-12 parents at the Oak Ridge Hospital. Proud pappas of the January 1 arrivals were D. A. Lee, Dept. H12D; and Emil M. Dittman, Dept. B12L. Both of the youngsters were fine little girls.

Dept. A12R, extends get well wishes to Nancy Gassaway, who is ill at her home in Lenoir City.

Hazel Lane, Dept. A12D, and her family returned recently after a vacation spent enjoying the warm weather down in Clearwater, Fla.

A speedy recovery wish is extended to Penny Keene, who is on the sick list.

Fire Capt. H. W. Krouse is attending the Fire Department Instructor Conference in Memphis this week . . . P. A. Holloarn is on the vacation list.

Harry King, Dept. B12L, is the proud papa of a baby girl, Bertha Ann, weighing seven pounds and 14 ounces, born Christmas Eve . . . Eunice Jones spent the New Year week end with her parents in East Lynn, W. Va.

A number of employees in Dept. M12P celebrated the New Year at various parties. Attending a party at Jefferson were Iwada Boshears and Bennie Williams . . . Mae Carson, Charles ('Happy') and Wilma West, Vowe Tilson and his wife were guests at the home of Frank Scheitlin and Joe Drawer . . . Get well wishes are extended to the daughter of Maxine Duke who is ill.

W. L. Scott, Dept. A13W, and his family traveled to Concord, N. C. for a week-end visit with his family . . . The department is happy to see A. M. Marquardt back on the job after being ill.

Dept. A12M extends get well wishes to Ira J. Shotts, who is ill in the Veterans Administration Hospital in Atlanta.

Margaret Johnson, Dept. A12S, made a week-end trip to Mooresburg, Tenn. . . . Beulah Ailor visited with her mother in Maynardville recently . . . The department extends sympathy to Dave Griffith and his family in the tragic death of his wife's sister and brother-in-law, Mr. and Mrs. Amos Human, January 4 . . . Pass around the cigars and we'll all take a smoke when the call from Dept. A12S last week. Why? W. L. McNabb became the proud papa of a baby girl, Mary Linda, weighing seven pounds and 13 ounces, born January 5.

Dept. M15P extends get well wishes to Billie Boyd and Lloyd Tolliver, who are on the sick list . . . Gene Williams is back on the job after a vacation.

Dept. A12W extends sympathy to Gene McPheeters on the death of his mother, of Cleveland, Tenn., January 3 . . . J. C. Bowles attended the Sugar Bowl game while on vacation . . . C. A. Johnson is entertaining his uncle of Philadelphia, Penn.

June Nesser, Dept. B12A, is vacationing with friends in Knoxville.

Assistant Guard Chief W. O. Watson and his family spent a recent week end in Guntersville, Ala.

Evelyn Hammons, Dept. H12L, vacationed with her parents in Barbourville, Ky. . . . Jo Goodson made a week-end visiting with her parents in Allendale, S. C. . . . Get well wishes are extended to C. A. Bolinger and J. W. Raleigh, who are ill . . . Joe Williams returned recently after a vacation spent in Galax, Va.

W. L. Morgan, Dept. A12N, is back on the job after vacationing . . . Christine Sparkman and Emma Russell made a week-end visit with their families in Sparta, Tenn. . . . Jessie Quinn visited with home folks in Limestone, Tenn. . . . W. T. McNamara visited his son in North Carolina, recently.

Ruth Law, Dept. A12P, spent the New Year week end with friends in Harriman . . . Jean Neff and her husband spent New Year's Eve with Mr. and Mrs. Herbert Conduff, former Y-12ers.



Four births were reported to Y-12 families at the Oak Ridge Hospital recently. Parents were Mr. and Mrs. Emil M. Dittman, a girl and Mr. and Mrs. D. A. Lee, a girl, both born on January 1; Mr. and Mrs. Frank J. Gordon, a girl, January 3; Mr. and Mrs. William L. McNabb, a girl, January 5.

LOVE'S LABOR LOST

The efforts of a pet terrier to aid his mistress in Centralia, Ill., were not greatly appreciated, according to a recent news story from that city. On a rainy school day Barbara Ann Knipp couldn't find her overshoes when she started to leave school for home. Her pet pooch had slipped into school, picked out the overshoes from those of other pupils, and had carried them home.

Y-12ers Submit Three Excellent Xmas Pictures

Recently The Y-12 Bulletin invited its readers with appropriate snapshots of Christmas activities to submit them for publication. At

the right are three excellent pictures of youngsters before and during Christmas activities. Contributors were Ruth Law, Dept. A12P; S. A. Copeland, Dept. A12S, and W. J. Cruse, Dept. A22J.

The columns of The Y-12 Bulletin are open at all times to contributions of pictures that will prove suitable for reproduction. Of course, the subject matter should be of interest to fellow employees, either in personalities or background. In the past year many excellent photographs have been received and published through cooperation of readers of The Bulletin, whose staff hopes they will keep up the good work.



JUST WAITING FOR SANTA Claus got little Nancy Elizabeth Law, niece of Ruth Law, Dept. A12P, all tired out just before Christmas but be assured she is keeping the old gent in mind as the magazine cover will testify. Nancy is 22 months old and the daughter of Mr. and Mrs. Harley Law, both former Y-12 employees. Mrs. Law is the former Athene West.



PHYLLIS LYON, TWO-year-old granddaughter of S. A. Copeland, Dept. A12S, spent Christmas at the Copeland home, 326 Jefferson Ave., and greeted Christmas morning as shown above, caught in the act of sprawling among her many gifts. Phyllis is the daughter of Sgt. and Mrs. Allen Lyon, of the United States Army, and stationed at Chenault Field, Rantoul, Ill.



JIMMY, 7, AND RICKEY, 2, Cruse, young sons of W. J. Cruse, of the Y-12 Training Department, lose no time Christmas morning in inspecting the many gifts left by old Santa Claus. They just couldn't take time to get out of their pajamas before looking over the electric trains, blackboard and other presents at the Cruse home, 100 Dewey Road.

Children's Theater Will Have Benefit

A group of Oak Ridge residents with amateur theatrical experience will present the play "January Thaw" January 14, 15 and 16 for the benefit of the Oak Ridge Children's Theater. The performances will be given at the high school auditorium with the Friday and Saturday presentations beginning at 8:15 p.m. and the Sunday show being a matinee starting at 2:30 p.m.

Evan Means, of Y-12, will play a part in the production and also is in charge of staging and lighting for the event. Ted Lehman will direct the production.

Tickets will sell for \$1 and may be obtained from Mrs. Bernadine Townsend, president of the Children's Theater. Her telephone number is 5-6526.

Hospital List

The following Y-12 employees were patients at the Oak Ridge Hospital last week: David R. Stepp, Dept. A16N; Charles S. Peal, Dept. B12L; Clayton A. Bolinger, Dept. H12L; Henrietta Keene, Dept. A12D; Walter S. McDowell, Dept. A12G and Billie Ruth Boyd, Dept. M15P.

LED WITH BUTADIENE

Carbide and Carbon Chemicals Corporation was the first commercial producer in the United States of Butadiene, an item of initial importance in the synthetic rubber industry.

Enrollment In AEP Continues This Week

Registration in the winter term of night classes being conducted by the Oak Ridge Adult Education Program will continue through Friday, January 14, it has been announced by Archie C. Keller, director of the educational project. Classes started last Thursday.

Several Courses Are Popular

Heavy enrollments already have been received in several popular courses, Keller has stated. Among them are two University of Tennessee courses, Industrial Engineering 321 and Accounting 413. The first is study of motion and time applied to find and putting into effect the most economical ways to do work. The other is a study of federal income taxes.

A certificate course proving popular with women is the class in secretarial practice. This is a special course designed to meet the needs of persons desiring a review of business English, including spelling, punctuation, sentence construction and also typing.

Driver Training Is Continuous

The driver training courses are being conducted on a continuous basis, Keller has announced, with enrollments being taken at all times. The courses last for four weeks.

Registration for Adult Education classes is being held in the high school building from 6 p.m. to 9 p.m. Complete information may be obtained on all classes by visiting the AEP office or telephoning 5-2889.

Beethoven Number Features Program

Beethoven's Symphony No. 3, the "Eroica," will be featured at the weekly program of the Oak Ridge Music Listening Group at 8 o'clock Thursday night in the East Lounge of the Ridge Recreation Hall. The program will be presented by Hugh Miller.

The Beethoven offering will be played by the Boston Symphony Orchestra under direction of Serge Koussevitsky. The first half of the program will consist of excerpts from "Romeo and Juliet," by Hector Berlioz, and Mozart's Concerto No. 10 for two pianos and orchestra. The programs, presented weekly, are free to the public and refreshments are served at intermission.

Electrical Engineers Will Meet Friday

All electrical engineers in Y-12 are invited to attend the dinner meeting of the American Institute of Electrical Engineers to be held at the Oak Terrace Friday night, January 14. Guest speaker at the meeting will be Leon Padolsky, field engineer of the Sprague Electric Co.

Many a tombstone is carved by chiseling in traffic.

Varsity Bowlers Beat Fairchild, Take Third

The Y-12 varsity keglers were slated to meet the K-25 pinmen last night after a successful win over Fairchild a week earlier. The plant team topped Fairchild for three points in the Oak Ridge City League play to hold third place in the league for the second half standing with 10 won and six lost.

Allards remained in the league lead for the second half followed by Marot Jewelers in second place.

Nelson Tibbatts was the high series bowler for Y-12 against Fairchild. He topped 535 pins in the series. Rudy Pletz followed with second high series with 496 pins. Ernie Cobble tallied 490 pins. Nick ZaBenco rolled 478 and H. D. Duncan scored 463 pins in the series.

The Y-12 pinmen tallied 855, 810 and 797 pins in the three games to 669, 743 and 814 for Fairchild. Y-12's total series score was 2,462 pins to 2,226 pins for Fairchild.

League standing follows:

Team	W	L	Team	W	L
Allards	14	2	W. Grocers	8	8
Marot	11	5	Clinch R.	7	9
Y-12	10	6	Monroe	7	9
Addressograph	9	7	S & B	6	10
R-A	9	7	ORNL	5	11
K-25	8	8	Fairchild	2	14

Cuemen Of Y-12 In Ridge Loop Third Place

The Y-12 pocket billiard sharks dropped four points to Roane-Anderson in the Oak Ridge City League January 3 play and captured two points to hold third place in the standing.

Y-12 Won First Half Honors

The Y-12ers won the first half play in the league and January 3 play marked the opening of the second half, with Roane-Anderson taking an early lead in the loop as a result of their victory over the Y-12 men.

A return match was slated for last Sunday night with the Roane-Anderson five and the Y-12 quintet is scheduled to engage K-25 on January 16 at the Cue and Cushion at 7:15 p.m.

Weist And Burnett Win

Red Weist and H. M. Burnett accounted for the winning points in the January 3 match with Roane-Anderson while W. B. Motley, E. B. Galloway and K. A. Spainhour were on the losing end for Y-12.

Weist defeated Gost 75-44, and Burnett won over Snapp 75-54. Motley lost to Massie 54-75, Galloway dropped his points to Cook, 23-75, and Spainhour was defeated by Odom, 64-75.

The Oak Ridge National Laboratory team stands above the Y-12 men for second place in the league while K-25 occupies the cellar position.

Calutrons Hold Lead In Plant Cage League

The Calutrons continued to wear the crown in the plant basketball league last week with seven straight victories and no defeats. The Cals topped the Sure Shots in January 3 play, 21 to 16. However the winners had only a one point lead at half time. On January 5 the Cals were behind one point at half time in their game with the Rough House Five but went on to win 38 to 28.

Guards Begin To Show Power

The Guardsmen showed power that wasn't revealed until last week in their impressive win over the Rough House Five, 40 to 16, and over the Isotopes 26 to 9.

The Sure Shots and Bldg. 9212 played one of the most interesting and closest games of the season with the lead shifting back and forth throughout the game. The Sure Shots, sparked by Rice and Fields, won the game 24 to 23.

Bldg. 9212 dropped a game to the Isotopes on January 3 to the tune of 28 to 21. Kapplemann was the high scorer for the winners while Johnson dominated the basket for the losers.

Oliphant, Ramsey Top Scorers

George Oliphant, of the Calutrons, has the highest average in total points per game this season. He has tallied 36 points in three games for an average of 12 points per game.

John Ramsey, of the Calutrons, has tallied the most points for the season. He has 65 points to his credit in seven games. Prater, of the Isotopes, has scored 52 points in six games while Cantrell and Blankenship, both of Guards, have each accounted for 40 points.

The plant basketball slate for January 2 through 17 follows:

January 12, Scarboro—6:30 p.m. Calutrons vs. Isotopes; 7:45 p.m. Bldg. 9212 vs. Guards; 9 p.m. Rough House Five vs. Sure Shots. January 17, Scarboro—6:30 p.m. Bldg. 9212 vs. Rough House Five; 7:45 p.m. Isotopes vs. Sure Shots; 9 p.m. Guards vs. Calutrons.

Y-12 Varsity Badminton Team Holds Second Place

The Y-12 varsity badminton team now stands in second place in the Oak Ridge City League. A recap shows that Y-12 dropped eight points and won two from ORNL, won six points and lost three in a duel with K-25 for the second encounter and blanked Fairchild last Thursday night for 10 points.

The feather-boppers will meet the Oak Ridge National Laboratory team Thursday night at the new Jefferson gymnasium.

League standing follows:

Team	W	L	Team	W	L
ORNL	28	2	K-25	6	16
Y-12	18	11	Fairchild	0	23

SPORTS NEWS

Robins Trounced Twice; Meet K-25 Wednesday



Y-12 Photos By Vince Moore

THE ROMPING ROBINS, REPRESENTING Y-12 IN THE Oak Ridge Women's City Basketball League, are shown above with their mascot, little Merry June Davis, daughter of Coach Bill Davis. Pictured kneeling from left to right are Lillian Hamlet, Katherine Jenkins, Merry June Davis, Helen Brown and Frankie Rose. Standing from left to right are Margaret Evans, Virginia Bowers, Joan Gilliam, Coach Davis, Desma Hutcheson and Shirley Brown, Hazel Butler, June Lynch and Margaret Johnson were absent when the above picture was made.

5-8690

Missing 11 of 18 foul shots cost the Y-12 Robins a victory over the Roane-Anderson sextet in last Wednesday night's basketball play in the Oak Ridge City Women's League played at the Jefferson gymnasium.

Lose To Roane-Anderson

The Roane-Anderson club trounced the Y-12 lassies 28 to 17, giving the Robins their second defeat in a week. The Robins dropped a game to the Jellico girls team there Monday night, January 3 in a hotly contested battle. The score was 36 to 32.

Helen Brown led the Y-12 girls with seven points for the high scorer on the home team in the Roane-Anderson tilt. Margaret Evans hit the basket for five points for Y-12 to be second highest scorer.

Seek Revenge January 17

The Robins were scheduled to play K-25 last Friday night and the Oak Ridge National Lab team last night. Wednesday night at 8 o'clock they are slated to engage K-25 again at the Jefferson gymnasium. More action will be in store for the Robins on January 17 when they tangle with Roane-Anderson again at 6:45 p.m.

All games will be played at the new Jefferson gymnasium.

Woodpeckers, Wolves Howl In B Pin Loop

The Woodpeckers cut the tail off the Comets last Thursday night in B League bowling play. The feathered friends severely trampled the stratosphere quintet for four straight points to give them the loop's paramount position.

One-91 tied the Woodpeckers for the zenith spot by nipping the All Stars from the blue by three significant points.

The Wolves bit the Rippers for four points yet still remained in the loop's lower division. Other team scores include the Cubs by three points over the Head Pins, Maintenance by three points over A12M and the Bums by three points over the Mules.

The Wolves were really howling to climb out of the lower division and a couple of more Thursday nights like the preceding one will put them among the leaders.

The pack boys captured the high team scratch series game with 3,028 pins and Dew won all of the individual honors for the Wolves.

Maintenance won the team high handicap single game with 1,072.

Standings In Plant Bowling League

Team	W	L	Team	W	L
Woodpeckers	9	3	Maintenance	6	6
One-91	9	3	Comets	5	7
All Stars	8	4	Wolves	5	7
Head Pins	8	4	Mules	4	8
Cubs	7	5	Bums	3	9
Rippers	7	5	A12M	1	11

Team	W	L	Team	W	L
Thin Pins	13	3	Materializers	7	9
Orphans	11	5	Moles	7	9
Bldg. 9206	10	6	Hooks	5	11
Guards	8	8	Knucklebusters	4	12

Team	W	L	Team	W	L
Splinters	22	10	Termites	14	18
Strikers	19	13	Overheads	14	18
Pinbusters	18	14	Woodchoppers	13	19
Old Men	16	16	Scotties	12	20

Team	W	L	Team	W	L
Apple Knockers	3	1	Beetle Baums	1	3
Jim Crows	3	1	Cherry Pickers	1	3

Team	W	L	Team	W	L
Hi Balls	19	11	Wholly Rollers	16	14
Comptrollers	17	13	Dodgers	11	19
Beta Pick-Ups	16	14	Kemps	11	19

Orphans Are Ousted By Thin Pin Keglers

The Thin Pins ousted the former league-leading Orphans from their coveted and well earned position in C league bowling play last week by taking four straight points from the Knucklebusters while the Orphans dropped three points to the Guards.

The Materializers blanked the Hooks in last week's play while the Moles and Bldg. 9206 split four points.

The Guard keglers posted 2,770 pins for team high handicap series and the Moles captured the team high handicap singles with 980 pins.

Johnson, of the Moles, won the high individual handicap honor in the singles class by topping 223 pins. The high individual tally for the handicap series was taken by Scott, of the Guards, with 609 pins.

H12L Loop Begins Second Half Play; Caldwell Stars

The H12L League opened the second half of its bowling season last Thursday night and the Apple Knockers dominated the alleys to tie the Jim Crows for the loop lead.

The Apple Knockers won three points from the Cherry Pickers and the Jim Crown topped the Beetle Baums by three points.

Caldwell, of the Apple Knockers, won both high scores in the individual classes. He rolled 210 for the scratch single, 241 for the han-

ZaBenco And Mackey Roll High Pin Scores

The Splinters soared ahead with three winning points over the Strikers in last week's D Bowling League play to top the league with 22 wins against 10 losses.

The Strikers stayed in second place even after dropping three points to the loop leaders. The Pinbusters held onto third place after three points were lost to the Old Men, who now are in fourth place.

Other loop games gave the Overheads a win over the Termites by three points while the Woodchoppers and Scotties split four points.

Team high honors were captured by the Splinters in the single and scratch classes. Their series score was 2,314 pins while their singles tally was 797 pins.

Nick ZaBenco, of the Pinbusters, topped the individual scoring in the scratch series class with 511 pins and Mackey, of the Pinbusters, won the high individual score for singles scratch with 203 pins. Mackey also copped the single handicap high with 250, and ZaBenco the high series handicap score with 624.

Margaret O'Neil Leads Y-12 To Triumph Over Fairchild

Margaret O'Neil led the Y-12 varsity keglers to a 2 to 1 victory over the Fairchild pinwomen last Thursday night in the Oak Ridge Women's League. She rolled 433 for a three game total score.

The Y-12 girls trimmed the losers on 2,023 to 1,950. Municipal Market will be the Y-12 keglers' next opponent on January 14.

Oleyne Poindexter was the second highest scorer for Y-12 in their encounter with Fairchild. She topped 433 pins in the series. Other Y-12 players and their scores for the series include Inez Reece with 394, Daisy Ward with 384 and Nancy Doane with 367.

League standing follows:

Team	W	L	Team	W	L
Tulip Town	35	13	Muny Market	25	23
Norris C.	32	16	Knox B.P.	22	26
Y-12	27	21	R-A	20	28
Marot	26	22	Fairchild	17	31
ORNL	26	22	Sure Shots	16	32
K-25	26	22	Merchants	16	32

dicap single and 769 for the scratch series.

Caldwell's teammates captured the team high events. The Apple Knockers bowled 769 for the scratch single team class and 1,022 for high team handicap series.



Y-12 Photos By Vince Moore

TWO "C" BOWLING LEAGUE TEAMS ARE SHOWN above just before rolling a scheduled match at the Central Alleys. Standing beneath the Guards' banner are Wallace and Booker, while other team members are shown kneeling from left to right. They are Goins, Scott and Thomas. The Bldg. 9206 pinmen are pictured at the right under their banner. Brothers is shown standing, while Pruitt, Reid, Johnson and Braden are pictured kneeling, from left to right.

30 Days Per Gallon Given Bootleggers

Thirty days to the gallon—that is the sentence meted out by Municipal Judge D. C. McRae, of High Point, N. C., to moonshine bootleggers, according to a recent news story from the North Carolina city. Now the dispensers of the forbidden fluid know in advance what sentences they will get if caught.

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Handsome New 11-Story Office Building Houses Carbide Employees In South Charleston, W. Va. Indicating Rapid Company Growth

Approximately 1,000 office employees of Carbide and Carbon Chemicals Corporation in South Charleston, W. Va., now are housed in a handsome, new 11-story building completed early in December. Construction of the building began in March, 1947.

The large, red-brick and Alabama limestone structure was designed by William York Cocken, Pittsburgh, Pa., architect, and constructed by the George A. Fuller Co., of New York. It is one of the largest office buildings in the area and houses administrative offices of the Carbide South Charleston plant as well as the Company's construction, engineering and general industrial relations departments. New Center Being Constructed

The research and development department offices and laboratories of the Company will be located in a new research center now under construction in South Charleston. The sales department and executive offices of Carbide are located in New York City.

A subway of white tile with Terazzo floors connects the new office building with the plant site and an old office building at the plant.

The new Carbide office building is situated on a 300-foot frontage plot and is set back 60 feet from the curb line so that the site can be beautified with lawns and shrubbery. The structure is 162 feet long with two wings each 90 feet deep. It is flanked on each side with 20-foot driveways giving access from the street.

Provides Room For Future

Carbide's new office building is indicative of the rapid growth of the company in the Kanawha Valley. In 1922 the office force of the Company consisted of nine employees who occupied a two-story building at Clendenin, W. Va. The first office building at South Charleston was a one-story building that housed approximately 21 persons. That building was replaced in May, 1929, by a three-story brick structure that housed the main offices until the new building was completed. This new building now provides 106,000 square feet of floor space, caring for the present needs of the Company and providing a reason-



CARBIDE AND CARBON CHEMICALS CORPORATION employees at South Charleston, W. Va., started the new year in the new 11-story office building shown above. One of the largest office buildings in that section of the country, it houses administrative offices for the plant as well as the Company's construction, engineering and general industrial relations departments. Clearing of ground for construction was begun in March, 1947, and the building was occupied early in December, 1948.

able safety factor for increased employment based on past growth.

The main entrance of the building has two revolving doors of stainless steel. Lobby walls are of Tennessee marble with stainless steel trim. Floors throughout the structure are of "Vinylite" plastic tile made from resins produced by Carbide at its South Charleston plant. From the lobby access to all floors is gained by three high-speed elevators that require but 12 seconds to ascend from the first

floor to the top floor.

Various floors are adapted to the particular uses of the plant offices and departments occupying the building. On the 10th floor there is a lunch room while the fifth floor houses all the new telephone facilities of the South Charleston plant. Circulating ice water fountains are located on each floor and all of the 542 windows are equipped with venetian blinds. The entire building is air conditioned.

Refining, Employment Have Best Attendance

(Continued From Page 1)
ed up with the second highest attendance record with 30 weeks of perfect attendance in the Minor League.

Others Have Excellent Marks

Other departments in the Minor League with good attendance records for the year of 1948 include Dept. M13P, Product Processing, with 25 weeks of perfect attendance and Dept. A12T, Automotive Repair, with 24 weeks of perfect attendance.

The latest absentee report to reach The Y-12 Bulletin office for the week ending January 2 listed three departments in the Minor League with perfect attendance marks for that reporting period. They include Dept. A15N, Experimental Process Equipment Maintenance; Dept. A12N, General Maintenance Office, Planning and Estimating; and Dept. A13S, Tools.

Low Absentee Figures Reported

Second place in the Minor League attendance report for the above period went to the Steam Plant with 9 per cent of its personnel absent and third place was taken by Dept. A21N, Special Facilities, with 12 per cent of its personnel absent.

Dept. A20N, Field Maintenance, captured the first position in the Major League report for the period ending January 2 with .7 per cent absent from its rolls.

Second place in the big league went to Dept. H12E, Process Development, with a report of .8 per cent, and third place was taken by Dept. A12G, Guards, with 1.1 per

Coming Of New Year Brings Renewed Need Of Security

(Continued From Page 1)
uses of atomic energy be shared but they also demanded to share in the secrets of mass destruction.

Seven years ago the American people were faced with a major war and the grim realization that we (after the destruction wrought at Pearl Harbor) were not prepared to quickly win. However, the ability of the American people to organize and utilize the vast industrial resources of the nation proved to be the deciding factor in bringing victory to the United States in this greatest of all wars.

During this period, shrouded by secrecy, censorship and curtailment of some individual freedom, the atomic bomb was born. The use of the two bombs that brought immediate conclusion to the war also brought the world face to face with the realization that a mighty force had been released that could be used for good or evil.

If this force could be controlled and used for betterment of mankind the world could be a sort of Utopia. However, if this force were uncontrolled and secrets of its use fell into hands of nations bent on aggression, the entire world easily could experience the horror of devastation.

Confronted with this obligation of tightly shrouding the secrecy of atomic energy from unauthorized persons it is pointed out that no such person or nation bent on aggression can obtain such information without the inadvertent or possibly intentional assistance of someone possessing the information.



cent of its personnel absent.

The complete absentee percentage by departments for Y-12 for the week ending January 2 follows:

MAJOR LEAGUE				
More than 50 Employees Scheduled				
Dept.	Absent	Percentage	Standing	12-26-48
A20N	0.7	1	8	
H12E	0.8	2	1	
A12G	1.1	3	4	
A12M	1.43	4	3	
M12P	1.44	5	9	
H12L	1.8	6	5	
B12H	2.2	7	7	
A12S	2.47	8	2	
B13L	2.48	9	15	
A16N	2.7	10	11	
A14N	3.2	11	6	
H12D	4.3	12	10	
A13N	4.8	13	16	
A17N	5.0	14	13	
B12L	5.4	15	12	
B12C	6.7	16	14	

Group absentee percentage was 2.7 per cent, .1 per cent higher than the preceding week.

MINOR LEAGUE				
15-49 Employees Scheduled				
Dept.	Absent	Percentage	Standing	12-26-48
A15N	0.0	1	1	
A12N	0.0	1	6	
A13S	0.0	1	7	
M12S	0.9	2	2	
A21N	1.2	3	1	
B12A	1.3	4	1	
A14J	1.6	5	1	
A12W	3.5	6	3	
A12A	3.8	7	9	
A12R	4.1	8	1	
A12T	4.76	9	4	
M12M	4.76	9	10	
A13T	5.3	10	8	
A19N	11.3	11	11	
A12D	13.3	12	5	
A13W	14.8	13	12	
A12L			1	

Group absentee percentage was 3.9 per cent, 1.8 higher than the preceding week.

The plant average for the week ending January 2, 1949 was three per cent, .5 per cent higher than the preceding week.

Plants Protected By New Solution

A new animal repellent for the protection of plants from wildlife has been successfully developed by the B.F. Goodrich Co., according to recent news dispatches from Cleveland, Ohio.

The Maine Fish and Game Department sprayed alternate rows of bean and strawberry plants with the repellent solution and discovered that the treated rows were not disturbed by deer and other grazing animals while the unsprayed plants were mowed low. Taste, and not odor, is the big factor in the solution with the animals finding the sprayed plants most unpalatable.

A mountaineer's wife sent her husband to the store to get some diapers for the new baby. He went to the store and handed over the price advertised.

The salesgirl said, "That will be 10 cents for the tax."

"I don't want no tacks," he answered. "Bessie fastens 'em on with safety pins."

Ridge Postoffices To Close On Saturday Afternoon

Beginning Saturday, January 15, the two Oak Ridge postoffices at Jackson Square and Grove Center will be closed at 1 p.m. each Saturday, it has been announced by Postmaster Van Hicks.

For the convenience of patrons, new automatic stamp vending machines will be installed in the lobbies of the postoffice buildings to sell stamps at face value.

Although the stamp, money order, parcel post and other windows will be closed Saturday afternoons in the future, regular scheduled Saturday carrier deliveries and special delivery mail will be handled as usual, the postmaster said.

Murphy In U. of T. Honorary Frat

John Murphy, Dept. H12E, has been elected to the Phi Kappa Phi senior class honorary fraternity at the University of Tennessee. He now is taking university courses both in Oak Ridge and at the university in Knoxville and will graduate in June. He is majoring in physics.

Membership in the fraternity is composed of the top ten per cent of students in each college of the university based on scholastic standing. Murphy previously attended Carnegie Institute of Technology while in the army before coming to Oak Ridge. His home is in Philadelphia, Pa.

The irate prosecutor whirled on the defendant: "Madame", he shouted, trying to prove a vital point, "while you were taking your dog for a walk, did you stop any place?"

"Sir," she said quietly, "did you ever take a dog for a walk?"

Puzzled Poet Of Dept. H12D Is Contributor

Working in Dept. H12D, Chemical Development Department, sometimes apparently develops talent along considerably different lines than usually expected of scientific minds. Although The Y-12 Bulletin usually does not go in for poetry as such—we are passing along this anonymous contribution with much the same puzzled reaction as the writer expresses in the closing lines.

"The molecule was once believed The smallest part of matter Until they found the atom (Quite an awkward thing to shatter).

And then they found the atom Had a nucleus inside, And deep within the nucleus A particle is spied. And now I wonder just what sort Of substance, stuff, or article Resides within the body that Resides within the particle?"

Father Follows In Son's Footsteps

In Dadeville, Ala., a father has followed in the footsteps of his son, a recent news dispatch relates.

Ralph Bugg resigned as editor and general manager of the Dadeville Weekly Record to reenter college and Publisher J. C. Henderson sought a new man for the job. He selected Thomas S. Bugg, father of the departing editor.

The elder Bugg was no stranger to the job. For 20 years he had owned and edited the newspaper before selling to Henderson early this year.

45 Per Cent Of Automobile Fatalities Follow Speeding

Nearly 45 per cent of motor vehicle fatalities attributed to mistakes by drivers are the result of driving too fast. Statistics show that 44.7 per cent of all persons killed in traffic accidents are the result of exceeding the speed limit.

Speeding is premeditated. Other traffic violations often can be blamed on lack of skill, extenuating circumstances, carelessness of plain ignorance, but speeding is deliberate and the best antidote is the simplest safety measure of all—thoughtfulness.

32 Research Men In Institute Course

A group of 32 research workers, including two from foreign nations, now are attending the fifth of a series of courses offered by the Oak Ridge Institute of Nuclear Studies. The course opened January 3.

The two foreign scientists, from England and India, are the first to be admitted to Institute courses. The other research workers attending the courses are from laboratories operated by the United States government, including the Veterans Administration, Department of Agriculture, Fish and Wildlife Service, Public Health Service, Army Chemical Center, Army Signal Corps and the Navy.

FREE RIDE IN BUS

Gate crashers at midget automobile races in Richmond, Va., recently found a way to get a free bus ride. A press dispatch from the Virginia city said the police department rented a 50-passenger bus to serve as a "black Maria" and made several trips from the track to the jail with culprits.